

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): VOORWINDEN, COR
SERIAL NO.: 10/595228
FILE DATE: 07/13/2006
GROUP ART UNIT: 2838
TITLE: POWER SUPPLY APPARATUS

Certificate of Submission

I hereby certify that this correspondence is being submitted to the
USPTO, Alexandria, VA.

- ☐ Addressed per C.F.R. § 1.1(a) and deposited with the United States
Postal Service with sufficient postage as first class mail.
- ☐ Facsimile transmitted in accordance with C.F.R. § 1.6(d).
- ☒ Submitted electronically via EFS in accordance with "Legal
Framework for EFS Web".

3-27-08

Date of Submission

/Stacie Herrera/
Signature

Stacie Herrera
Printed Name of Person Signing Certificate

CORRECTION OF FILING RECEIPT

Office of Initial Patent Examination
Commissioner for Patents
Alexandria, VA 22313

Sir:

It is respectfully pointed out that the Filing Receipt for the above-identified patent application is incorrect. Under the "Foreign Applications" section, the European Patent number is listed as "03292309.4".

Please correct the application number as follows "03292409.4" A copy of the first page of the published PCT application in the above-identified application is attached along with a copy of the Filing Receipt with the change noted thereon.

No fee is due since the error was not that of Applicant.

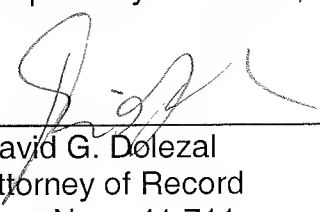
Respectfully submitted,

SEND CORRESPONDENCE TO:

Freescale Semiconductor, Inc.
Law Department

Customer Number: 23125

By: _____


David G. Dolezal
Attorney of Record

Reg. No.: 41,711

Telephone: (512) 996-6839

Fax No.: (512) 996-6854



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY, DOCKET, NO	TOT CLAIMS	IND CLAIMS
10/595,228	07/13/2006	2838	1030	SC12923ET	20	2

23125
FREESCALE SEMICONDUCTOR, INC.
LAW DEPARTMENT
7700 WEST FARMER LANE MD:TX32/PL02
AUSTIN, TX 78729

12/7/07
RTH

CONFIRMATION NO. 5132

FILING RECEIPT



OC000000027000911*

Date Mailed: 12/03/2007

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Applicant(s)

Cor Voorwinden, Toulouse, NETHERLANDS;

Power of Attorney: The patent practitioners associated with Customer Number 23125

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/EP04/10875 09/29/2004

Foreign Applications

EUROPEAN PATENT OFFICE (EPO) 03292309.4 09/30/2003

03292409.4

If Required, Foreign Filing License Granted: 12/09/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 10/595,228**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number
WO 2005/039015 A1

(51) International Patent Classification⁷: **H02J 7/00**,
H02M 3/00

(21) International Application Number:
PCT/EP2004/010875

(22) International Filing Date:
29 September 2004 (29.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03292409.4 30 September 2003 (30.09.2003) EP

(71) Applicant (for all designated States except US):
FREESCALE SEMICONDUCTOR, INC. [US/US];
6501 William Cannon Drive, Austin, TX 78735 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **VOORWINDEN, Cor**
[NL/FR]; 34 rue Henri Bonis, F-31100 Toulouse (FR).

(74) Agent: **WHARMBY, Martin, A.**; Impetus IP Ltd, Grove
House, Lutyens Close, Chicheam Court, Basingstoke,
Hampshire RG24 8AG (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GL, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

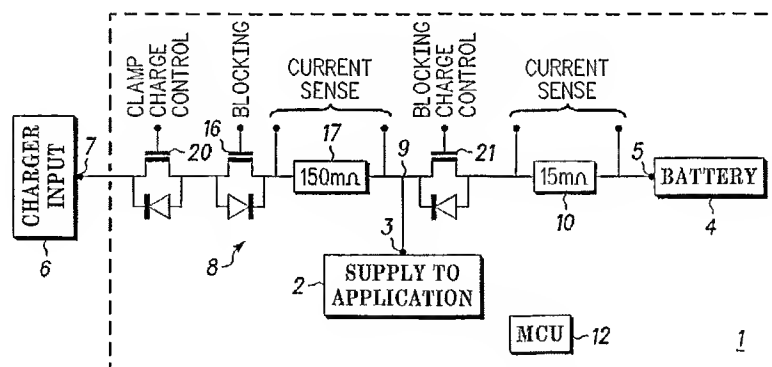
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: POWER SUPPLY APPARATUS



(57) Abstract: Power supply apparatus, especially for the active circuits of a portable radio communication device. The power supply supplies a direct voltage to a load (2) that is connected to a first terminal (3), as comprising a rechargeable battery (4) for connection to a second terminal (5), and a voltage generator (6) for recharging the battery (4) and supplying power to the load (2). The power supply includes first control means (20, 16) for controlledly supplying current from the voltage generator (6) to the first terminal (3) so as to control supply of current from the voltage generator (6) to the load (2) and for preventing reverse flow of current from the first terminal (3) to the voltage generator (6), and second control means (21) for controlledly supplying current between the first (3) and second (5) terminals so as to control supply of current from the voltage generator (6) through the first control means (20, 16) to the battery (4) and from the battery to the load (2). The control means (20, 16; 21) present selectively a high impedance state (23), a low impedance state (26) or a controlled impedance state (29, 32). The first control means (20, 16) comprises a first (21) field-effect transistor connected in series between the voltage generator (6) and the first terminal (3) for controlling supply of current from the voltage generator (6) to the first terminal (3) and the first terminal (3) for preventing reverse flow of current from the first terminal (3) to the voltage generator (6).

WO 2005/039015 A1